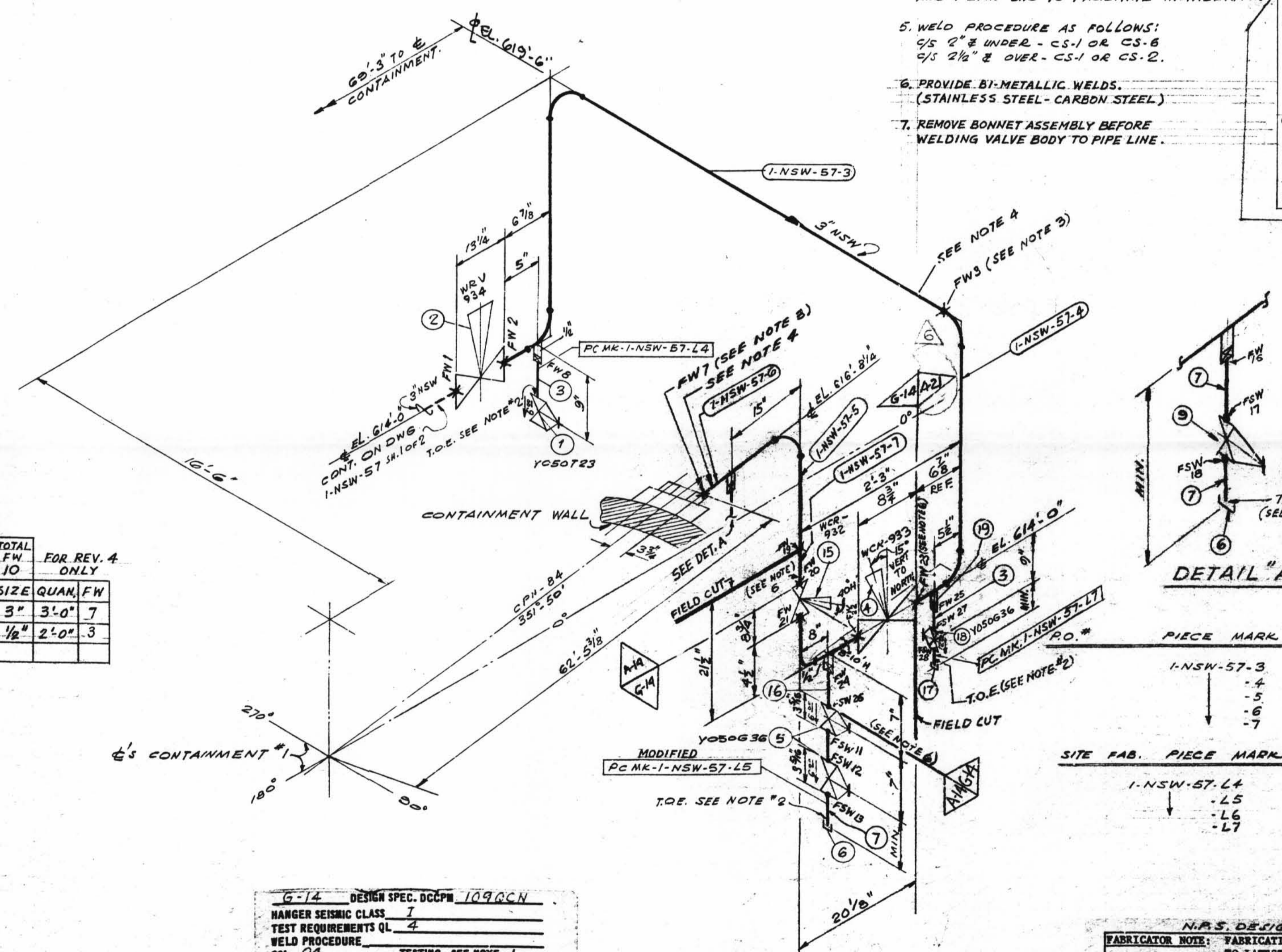


TOTAL
FW
18

- NOTES:
1. BUTT WELDS: RT-100% TESTING.
SOCKET WELDS: PT-100% TESTING.
 2. USE CRANE 445-A COMPOUND ON ALL THREADED CONNECTIONS.
 3. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN.
 4. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND FLAN END TO FACILITATE INSTALLATION.
 5. WELD PROCEDURE AS FOLLOWS:
C/S 2" & UNDER - CS-1 OR CS-2
C/S 2 1/2" & OVER - CS-1 OR CS-2.
 6. PROVIDE BI-METALLIC WELDS.
(STAINLESS STEEL-CARBON STEEL)
 7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

MATERIAL 150 SH. NO. 1858

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG NO. OR ASTM MATL.	HEAT NO.
01	1	1	1/2"	200# SCRD GLOBE VA. BRONZE	Y050723	
	2	1	3"	AIR OPER. REGULATING VA. B.W.	WCR-934	
	3	AS REQD	1/2"	PIPE (SCH 80) SMLS C.S.	A106 GR. B	
01	19	1	1 1/2"	3000# C.S. HALF CPLG.	A-181	GR. 10R II
04	4	1	3"	B.W. DIAPH. CONTROL VALVE, S.S.	WCR-933	
	5	2	1/2"	600# C.S. S.W. GATE VA.	Y050636	
	6	2	1/2"	3000# C.S. SCRD CAP	A-181	GR. 10R II
	7	AS REQD	1/2"	PIPE (SCH 80) SMLS C.S.	A106 GR. B	
04	9	1	1 1/2"	600# C.S. S.W. GLOBE VALVE	Y-050786	
	15	1	3"	B.W. DIAPH. CONTROL VALVE, S.S.	WCR-932	
	16	AS REQD	1/2"	PIPE (SCH 40S) SMLS., S.S.	A-312	GR. TP-304
	17	1	1 1/2"	3000# C.S. SCRD CAR	A-181	GR. 10R II
01	18	1	1 1/2"	600# S.W. GATE VALVE C.S.	Y050636	



TOTAL FW FOR REV. 4 ONLY

SIZE	QUAN.	FW
3"	3'-0"	7
1/2"	2'-0"	3

REV. DATE DR DESCRIPTION

1	7/19/75	PA	REV'D; ITEM #5 Y050636 WAS CY090636 - REV'D BY A.E.P.	NO ACTION REQ'D.
2	1-20-76	MM	REVISED BY A.E.P. DESIGN PER REC-DC-12-2549 TO REFLECT AS BUILT WHEN CHECK VALVE WAS ADDED.	NO ACTION REQ'D.
3	3/2/78	H.B.	PER REC #12-1436 DELETE ITEM (8) & ADDED ITEM (10) (11) (12) (13) (14) - SEE DETAIL "B."	FIELD ACTION REQ'D.
4	1/13/82	WT/DA	PER REC-DC-12-2549 ADDED PIPE SPEC. G-14 DIMS. PER MFG. FIELD WELDS 19 THRU 25 - FSW 26 THRU 28. ITEM NOS. 15 TO 17 TO B/M. DELETED DET. "B" ITEM NOS. 10 THRU 14 FROM B/M. REVISED ITEMS IN B/M. MODIFIED PC MK L4.	FIELD ACTION REQ'D.
5	1/28/82	JM/EG	PER REC 12-DC-2549 ADDED ANGLE 8 TO M206 DIM.	NO ACTION REQ'D.
6	7/21/82	FM/JM	PER REC 12-DC-2549 SPEC A-21 WAS A-14 & WCR-933	NO ACTION REQ'D.

LABOR COST CONTROL		LABOR COST CONTROL	
USE ONLY WITH		USE ONLY WITH	
PIPE SIZE	-4	PIPE SIZE	
SCHEDULE		SCHEDULE	
TYPE		TYPE	
ISO START DATE		ISO START DATE	
ISO FINISH DATE		ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER	WORK OPERATION	LINE ITEM NUMBER
HANGER INST.		HANGER INST.	
ERECT		ERECT	
WELD		WELD	
RADIO-G - X-RAY		RADIO-G - X-RAY	
STRESS RELIEVE		STRESS RELIEVE	
MISC. WORK		MISC. WORK	

G-14 DESIGN SPEC. DCCPM 109 QCN
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL 4
WELD PROCEDURE QSL 04 TESTING SEE NOTE 1

A-21 DESIGN SPEC. DCCPM 102 QCS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS QL N/A
WELD PROCEDURE SEE NOTE 5
QSL 01 TESTING N/A

A-22 DESIGN SPEC. DCCPM 103 QCN
HANGER SEISMIC CLASS
TEST REQUIREMENTS QL 4
WELD PROCEDURE SEE NOTE 6
QSL 02 TESTING SEE NOTE 1

DESIGN SPEC.		SEE	
HANGER SEISMIC CLASS	DESIGN		
TEST REQUIREMENTS	CODE		
MATERIAL CLASS	STAMP		
PIPE			
A-52	A-104	A-374	A-312
STD.	XT	XXY	10 20 30 40 60 80 100 120 140 160
FITTINGS			
A-105	A-224	A-182	N.D.T. SEE DESIGN CODE STAMP
TESTING			
M.T. P.T. R.T. U.T.			
ADDITIONAL			
PRESSURE TEST			
A-403	A-181		
MED. PRESS. DURATION			

POUR/ZONE No. 125
REQUIRED COMPLETION DATE
FABRICATED BY TUBE CO.

REVISION RECORD	
NO.	DATE DESCRIPTION
1	1-NSW-57 (sheet 2 of 2) Upper Containment Ventilation Unit 4 Supply Line

FLOW DIAGRAM NO. 514A
O.S.I. SEE DESIGN
WELD PROCEDURE CODE STAMP

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWG. NO. 1-NSW-57
DATE: 7-77
CONTR. NO. VCO
ISSUED: 1-17
REV. DWG. 2-1-82